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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/763,191

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EXAMINER

LO, SUZANNE

ART UNIT

PAPER NUMBER

2128

MAIL DATE

DELIVERY MODE

08/05/2010

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/763,191	Applicant(s) NASU, MASAHI TO	
	Examiner SUZANNE LO	Art Unit 2128	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 March 2010.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,2,6 and 7 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,2,6 and 7 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 26 January 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-2 and 6-7 have been presented for examination. The Request for Continued Examination submitted 03/12/10 has been acknowledged.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. **Claims 1-2 and 6-7 are rejected** under 35 U.S.C. 102(b) as being clearly anticipated by **Unigraphics Solutions™ (“User’s Guide Getting Started with SOLID EDGE™ Ver. 8.0”)**.

As per claim 1, Unigraphics is directed to a partial reprojection method for reflecting for use in a three-dimensional CAD system, the method comprising: generating a two-dimensional projection of a three-dimensional assembly model formed by a plurality of parts by projecting the three-dimensional assembly model formed of the plurality of parts (**page 258 Drawing Production, “You can create associative drawings..”, page 207**); grouping two-dimensional elements together in the two-dimensional projection for each of the plurality of parts to form a part group for each of the plurality of parts (**page 274, Documenting Multiple Parts in One Draft Document and page 150, “Maintaining Relationships” and “How Relationships Work”**); adding *the* part information to the part group when said grouping is *performed for each of the plurality of parts*, the part information including a part name, a *part* line of sight of a *part* which is obtained by converting an original line of sight held in the three-dimensional assembly model based on the coordinate system of the three-dimensional assembly model into the line of

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sight of the part based on coordinates system of the part (**pages 267-269, Setting the Projection Angle, first and third projection angles**), and a part position *based on the coordinate system of the three-dimensional assembly model* (**page 296 Annotations and Associativity and page 269 Setting Projection Angle for line of sight, page 280 “When you change parts and assemblies in part views, you can easily update the views so they match the new model geometry.”, page 278-279 Drawing views for Parts in Assemblies on pages 231 and 258, page 186**); leaving the three-dimensional assembly model unloaded and loading, as a target for a partial reprojection, *only* a modified three-dimensional part model of a part of which a shape has been modified among the plurality of parts (**page 280, Part View Updates**); deciding a *line of sight for performing partial reprojection* applicable to the modified three-dimensional part model *thus loaded* based on the *part* line of sight included in the part information of the part whose modified three-dimensional part model is to be subjected to the partial reprojection (**page 280, Part View Updates, 2-D diagram drawing**); deciding, in the two-dimensional projection of the assembly model, a generating position in which the two-dimensional elements of the modified three-dimensional part model are to be generated based on the part position *that is based on the coordinate system of the three-dimensional assembly model and* included in the part information of the part whose modified three-dimensional part model is to be subjected to the partial reprojection (**page 280, Part View Updates, 2-D diagram drawing**); and performing, *based on the line of sight for performing partial reprojection* and the generating position thus decided, the partial reprojection of the modified three-dimensional part model and generating a modified version of the two-dimensional projection of the assembly model by reflecting the shape that has been changed (**page 280, Part View Updates, page 207**).

As per claim 2, Unigraphics is directed to the partial reprojection method according to claim 1, further comprising: deciding which should be performed, an entire reprojection based on the assembly model or the partial reprojection based on the modified three-dimensional part model (**page 282 Setting Retrieval Options, pages 258 Drawing view, page 232 Update options**), wherein: if the partial reprojection is decided to be performed, only the shape that has been changed is reflected in the modified version, and the part information is unchanged; (**page 282-283 Dimension Retrieval**).

As per claims 6-7, Unigraphics is directed to a computer-readable medium storing a program for a three-dimensional CAD system that enables reflection of a shape modified in a part model on a two-dimensional projection generated from an assembly model, the program causing a computer perform the method steps of claims 1-2 and are therefore rejected under the same prior art.

Response to Arguments

3. Applicant's arguments filed 03/12/10 have been fully considered but they are not persuasive.
4. The 35 U.S.C. 112 rejections have been withdrawn due to the amended claims.
5. In response to the Applicant's argument that Unigraphics does not disclose the amended limitations "the part information including...a part line of sight of a part which is obtained by converting...", the Applicant is directed to pages 267-269, and in particular "Setting the Projection Angle", the first projection angle and the third projection angle standards.

As Unigraphics still discloses all features of claim 1, all other claims remains rejected.

Conclusion

6. The prior art made of record is not relied upon because it is cumulative to the applied rejection. These references include:

1. U.S. Patent No. 5,649,076 issued to Nishizaka et al. on 07/15/97.
2. U.S. Patent No. 7,016,749 B2 issued to Kuzumaki et al. on 03/21/06.
3. U.S. Patent No. 7,039,469 B1 issued to Haws et al. on 05/02/06.
4. U.S. Patent Application Publication US2003/0071810 A1 published by Shoov et al. on

04/17/03.

5. U.S. Patent No. 6,611,725 B1 issued to Harrison et al. on 08/26/03.

7. All Claims are rejected.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Suzanne Lo whose telephone number is (571)272-5876. The examiner can normally be reached on M-F, 8-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kamini Shah can be reached on (571)272-2297. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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07/31/10

/Michael D Masinick/

Primary Examiner, Art Unit 2128